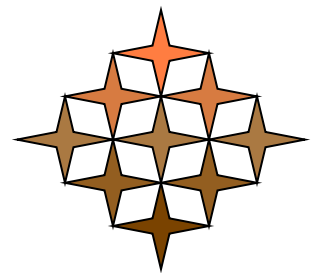
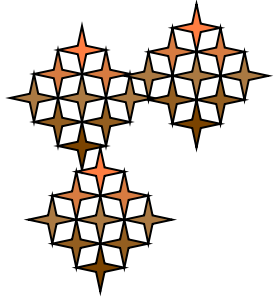


# Grid Facilities Department Meeting

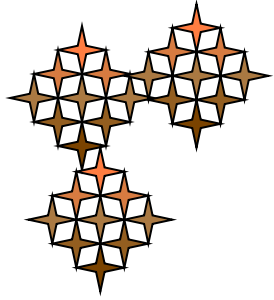
Eileen Berman





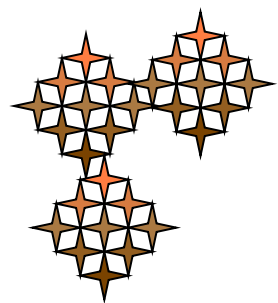
# Agenda

- Safety, Diversity
- Oct Dept Lunch - Dan
- Service Desk
- AOB
- Something old, something new

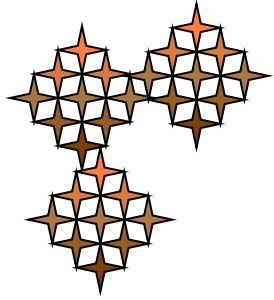


# Service Desk

- Support process should be developed alongside other requirements at the beginning of a project.
- Use the service desk to implement your product support process.
- It is a goal for developers not to be operations specialists.

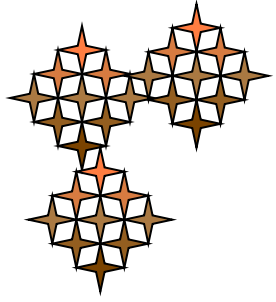


AOB



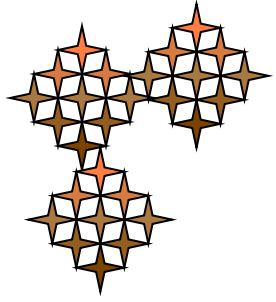
# Something Old

- Frontier
- ReSS – project closing, moving to maintenance
- Vo Services – project closed, moved to maintenance
- Gratia
- SAMGrid – project closed, moved to maintenance
- MCAS
- FermiGrid
- SVOPME
- glideinWMS
- OSG Storage VDT
- OSE Working Group
- gPlazma
- OSG Engage
- SAZ



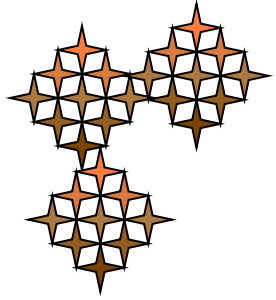
# Something New/Newish

- CEDPS
- General Physics Compute Facility (GPCF)
- FermiCloud
- Virtualization Effort
- Storage Effort



# CEDPS

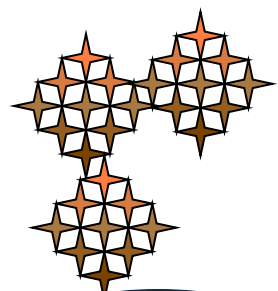
- Project focus changing
- Andrew leading effort at fnal



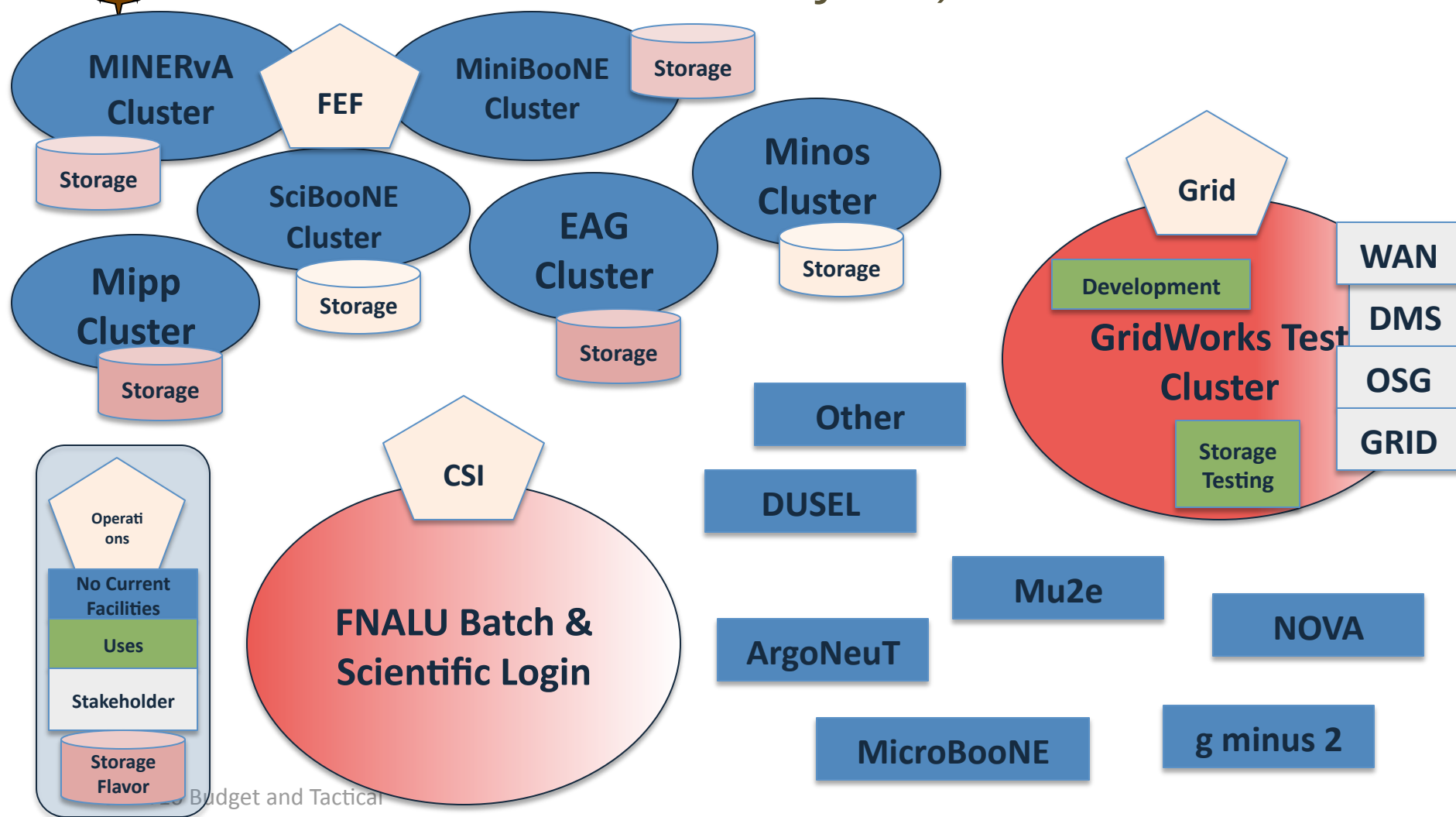
# General Physics Compute Facility

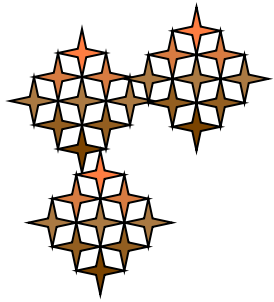
- Task force charged 7/25/09 to develop a facility to meet computing needs of Intensity and Cosmic Frontier programs
  - Collect requirements (largely following NuComp work)
  - Architect a system
  - Plan for acquisition and installation in FY10
  - Evolve current facilities into GPCF
  - Replace similar functions from FNALU
- Cross-quadrant project
- Stu leading the effort



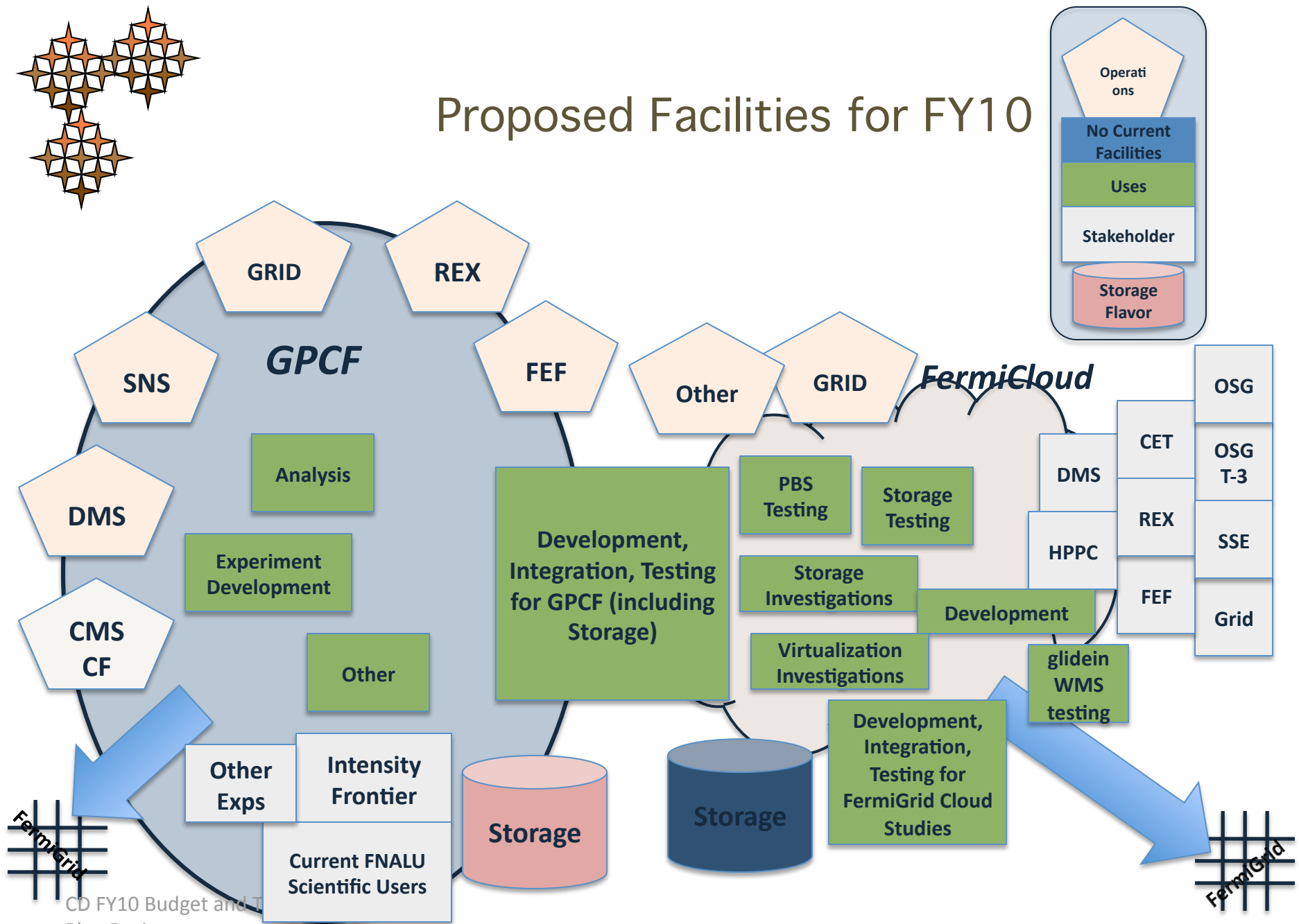


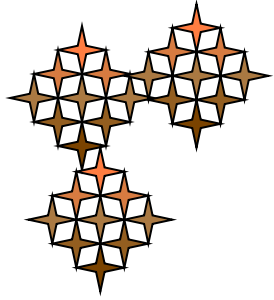
# Current Login, Analysis and Test facilities for non-Run2, non-CMS experiments (& some Projects)





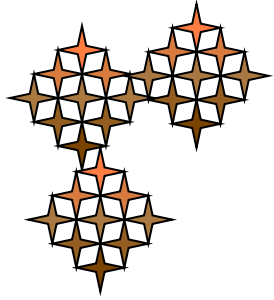
# Proposed Facilities for FY10





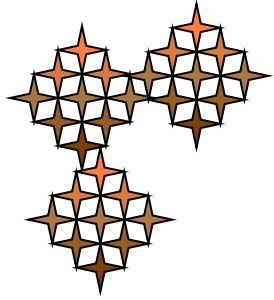
# FermiCloud

- Integrate, design, and deploy an Infrastructure-as-a-Service facility providing on demand provisioning of scalable resources for development, integration, and testing.
- Cross-department project
- Steve leading the project



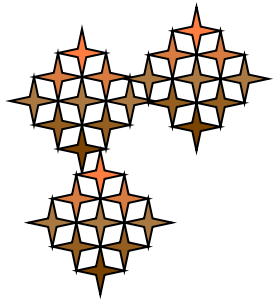
# Virtualization

- Development, Integration, Testing necessary to support the evolving needs of virtualization in a grid/cloud environment. (FermiGrid, FermiCloud, GPCF)
- Cross-department/quadrant project

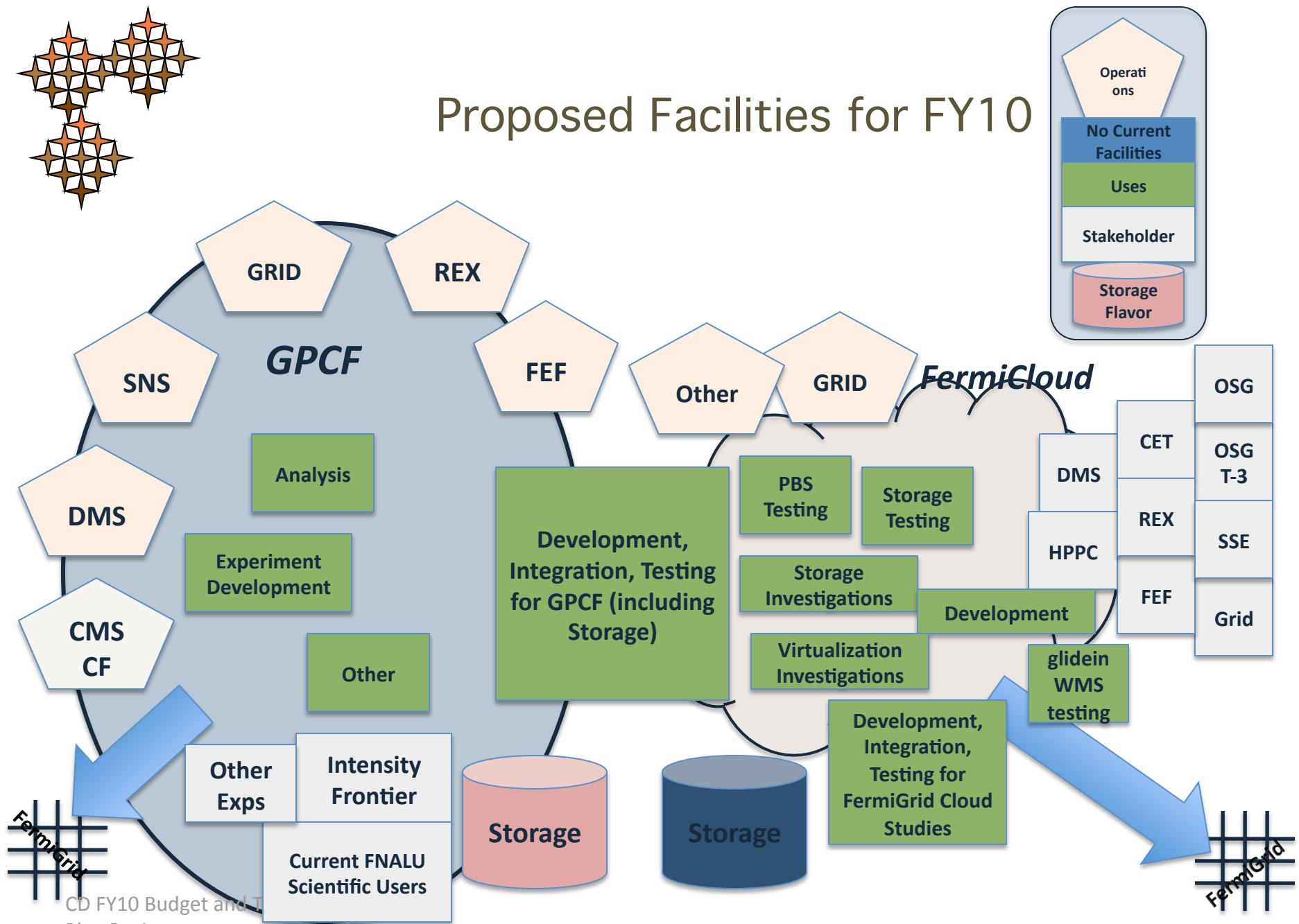


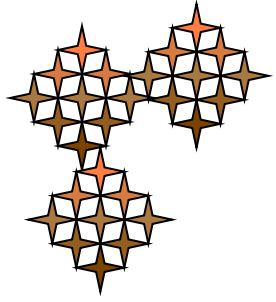
# Storage

- Understanding of grid accessible storage use patterns, needs, and solutions. (FermiGrid, FermiCloud, GPCF)
- Cross-quadrant effort
- Initial investigation done by Gabriele



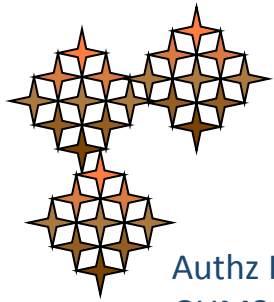
# Proposed Facilities for FY10





# Coming Year

- No fences.
- Collaboration/communication is more and more a part of what we do.
- This needs to be considered as part of every task and activity.
- Yes this will take more work.
- We already do **A LOT.**



#### Authz Infrastructure

GUMS  
Atlas  
CEDPS  
dCache  
CorralWMS  
VOMRS  
Condor  
VDT  
GridWorks  
FermiGrid  
Storage  
HPC  
FermiCloud  
glideinWMS  
Gratia  
ITIL  
MCAS  
Frontier  
Security  
Virtualization  
GPCF  
Project Structure  
SAMGrid  
ReSS  
SAZ

